

OPERATOR QUERIES AND DESCRIPTIONS
FOR
POST MISSION ANALYSIS REHOST PROGRAM
USS OSCAR AUSTIN DDG 79 Baseline 6P1

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PREFACE

This document is a reference manual for executing the Post Mission Analysis (PMA) Rehost program. It is written for Baseline 6P1 AEGIS class ships. The PMA Rehost program is a part of the AEGIS Combat Trainer System, an element of the AEGIS Weapon System. This document provides the PMA operator description and explanation to the query processes involved in selecting and generating PMA Rehost reports.

The following functional features are not implemented as of yet:

1. Selecting and generating C2P reports.

Before using PMA Rehost program, please read this document completely.

This document will be updated after enhancement features as well as fixes are implemented into the PMA Rehost program. Please forward any questions, comments, or suggestions regarding this document or problems in running PMA Rehost program to:

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TABLE OF CONTENTS

Paragraph

Page

1	INTRODUCTION.....	5
1.1	DOCUMENT CONVENTIONS.....	5
1.2	KEY CONVENTIONS.....	5
1.3	REFERENCE MANUAL CONVENTIONS.....	6
2	PRELIMINARY PROCEDURES AND NOTES.....	7
2.1	SHUTTING DOWN NGP GRACEFULLY.....	9
3	MAIN MENU.....	10
4	SELECT A PMA REPORT SET.....	11
4.1	SELECTING INDIVIDUAL REPORT.....	11
4.1.1	CND/WCS COMMON OPERATOR QUERIES.....	11
4.1.2	SPY COMMON OPERATOR QUERIES.....	12
4.1.3	CND/WCS TIME SUMMARY.....	13
4.1.4	CND/WCS TNGS SNAPSHOT.....	13
4.1.5	CND/WCS TRACK SUMMARY.....	13
4.1.6	CND/WCS DOCTRINE SUMMARY.....	13
4.1.7	CND/WCS X-Y PLOT.....	14
4.1.8	CND/WCS RNG-HT PLOT.....	14
4.1.9	CND/WCS WCS ENGMNT SUMMARY.....	15
4.1.10	CND/WCS STANDARD MISSILE FIRING REPORT.....	15
4.1.11	CND/WCS OPERATOR SUMMARY.....	17
4.1.12	CND/WCS IFF SUMMARY.....	18
4.1.13	CND/WCS LINK-11 SUMMARY.....	18
4.1.14	CND/WCS CIWS ALIGN.....	18
4.1.15	SPY TIME SUMMARY.....	19
4.1.16	SPY X-Y PLOT.....	19
4.1.17	SPY RNG-HT PLOT.....	21
4.1.18	SPY RNG-TIME PLOT.....	22
4.1.19	SPY TRACK SUMMARY.....	23
4.1.20	SPY DOCTRINE SUMMARY.....	23
4.1.21	SPY OPERATOR SUMMARY.....	23
4.1.22	SPY BURNTHRU SUMMARY.....	24
4.1.23	C2P <presently NOT IMPLEMENTED>.....	24
4.2	SELECTING MULTIPLE REPORTS.....	24
5	PROCESS DATA TO DISK.....	25
5.1	PROCESS DATA MENU 1.....	25
5.2	PROCESS DATA MENU 2.....	25
5.3	PROCESS DATA MENU 3.....	25
5.4	PROCESS DATA MENU 4.....	25
5.4.1	SELECTING INDIVIDUAL PARTITION.....	26
5.4.2	SELECTING MULTIPLE PARTITIONS.....	26

5.5	PROCESS DATA MENU 5.....	27
5.6	PROCESS DATA MENU 6.....	27
6	GENERATE SELECTED REPORTS.....	28
6.1	REPORT GENERATION MENU.....	28
7	CHANGE PMA SYSTEM OPTIONS.....	30
7.1	SYSTEM OPTION MENU.....	30
8	MESSAGE DIRECTORY.....	31
8.1	IN MAIN MENU.....	31
8.2	IN SELECTING A PMA REPORT SET.....	31
8.3	IN PROCESSING DATA TO DISK.....	31
8.4	IN GENERATING SELECTED REPORTS.....	33
8.5	IN CHANGING PMA SYSTEM OPTIONS.....	33

1 INTRODUCTION

This manual provides a reference source for the PMA

operator in using the PMA Rehost program. The PMA Rehost program uses CND, WCS, SPY recorded data to generate tabular reports and plots selected by the PMA operator. This document includes the procedures for the production of PMA Rehost reports.

1.1 DOCUMENT CONVENTIONS

The following visual cues are used to help the reader easily interpret the information within this document:

<u>This</u>	<u>Represents</u>
"type in"	Typing in the available option or command followed with pressing the "Enter" key.
<i>italic</i>	The name of a directory or file to be typed in.

1.2 KEY CONVENTIONS

The PMA Rehost query menus may have up to all of the following keystroke options (normally shown at the bottom of the menu):

<u>Type in key</u>	<u>Represents</u>
"h"	For textual help with any menu query provided that the option "[(H)elp]" is available to be selected.
"d"	To signal completion of responding to a query menu and move to the next menu, provided that the option "[(D)one Selecting]" or "[(D)one]" is available to be selected.
"a"	To abort the current query menu, provided that the option "[(A)bort]" is available to be selected.
"q"	To exit PMA Rehost executable (available in the MAIN MENU only). The PMA operator will have to type in "yes" for the next verification query menu to exit completely.

1.3 REFERENCE MANUAL CONVENTIONS

The following lists word tag and its corresponding reference manual.

<u>Word Tag</u>	<u>Reference Manual</u>
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"NGP manual"	Tech Manual SE686-CA-MMO-030, Rack Based Console OJ-721(V)/UYQ-70(V)
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2 PRELIMINARY PROCEDURES AND NOTES

The following procedures and notes guide the PMA operator to accessing and invoking PMA Rehost's executable file:

The PMA operator will need to use the N+1 NGP cabinet (NGP#1-n34ux-CSER3) to generate PMA Rehost reports.

If necessary boot NGP cabinet (consult NGP manual, paragraph 2-3.2). If boot process is successful, the HP-VUE login window will appear. At the HP-VUE login window, type in the PMA operator's username and password. If the login process is successful, the PMA Rehost Load Menu will appear as follow:

PMA Rehost Load Menu

Select An Option:

- 1 -> Run Post Mission Analyzer (PMA)**
- 2 -> Archive ALL PMA Generated Reports**
- 3 -> Populate PMA Generated Reports To PMA Data Area**
- 4 -> Archive ALL ADAR Data Files**
- 5 -> Populate ADAR Data Files To PMA ATS Area**
- 6 -> Rename File**
- 7 -> Display Plot To Screen**
- 8 -> Logout**

By Entering Its Corresponding Digit:

Option 1 will launch PMA Rehost program.

Options 2 and 3 are optional.

Option 7 is a new feature that works at the PMA Rehost Load Menu's level only. It will also be incorporated into the PMA Rehost program in the future.

Options 4, 5, and 6 are implemented to save the PMA operator time as well as the NGP's HPUX disk space. ADAR ATS data files generated (or extracted) from recorded data can be renamed (option 6) and saved (option 4) to backup optical disk.

Note: The ATS data file(s) generated by the PMA Rehost program has the following naming convention:

`<element>#.ats`

where <element> can be "cnd", "wcs", or "spy", and # starts at 1. For example, if there are 3 CND data files generated, their names would be "cnd1.ats", "cnd2.ats", and "cnd3.ats" respectively. If renaming the ATS data files is needed before archiving them

to

the optical disk, use the following convention:

`<title>_<element>#.ats`

where <title> can be any string and the character `'_'` is a linking character.

The PMA operator can populate (option 5) them back into the PMA ATS area and generate PMA report(s) respectively, eliminating the need to regenerate (or re-extract) ATS data files from the previous recorded data.

Note: After all ATS data files are populated to the PMA ATS area, renaming them may be needed. If so, rename them according to the following syntax in order for the PMA Rehost program to recognize:

`<element>#.ats`

where <element> can be "cnd", "wcs", or "spy", and # starts at 1. For example, if there are three CND ATS data files available in the ADAR ATS area, they should be renamed to "cnd1.ats", "cnd2.ats", and "cnd3.ats" respectively.

Performing the latter options is recommended because when the PMA operator logs out (option 8, to return to HP-VUE

login window), all generated PMA reports and generated ADAR ATS data file will be deleted to free NGP's HPUX used disk space.

2.1 SHUTTING DOWN NGP GRACEFULLY

In event of power outage, the backup battery will be activated to sustain the NGP's power within a limited amount of time. In this case, shutting down the NGP gracefully before the battery time expires is recommended. According to the NGP manual, paragraph 2-3.3, turn off the DC SUPPLY switch, which initiates the Power/Temperature Control (PTC) timer, and assure a graceful shutdown

3 MAIN MENU

The MAIN MENU is the starting point for the PMA operator to change the PMA system setting(s), perform data extraction, and select and generate report(s). Follow the steps below.

Step 1)

Select and type in option number "4" at the "Selection =>" prompt to check on the current system settings. See section on CHANGE PMA SYSTEM OPTIONS on page 30 for detailed instructions.

Step 2)

Option (2) PROCESS DATA TO DISK can be selected (type in option number "2") to perform data extraction via optical disk. The PMA operator may skip this option only if he/she will be using element data files that already exist on the HPUNIX hard disk. See section on PROCESS DATA TO DISK on page 25 for more information and instructions.

Step 3)

Type in option number "1" to select desired report(s). See section on SELECT A PMA REPORT SET on page 11 for detailed instructions.

Step 4)

Upon entering the MAIN MENU the first time, note that the option after option (2) (supposedly (3)) is shown as "(-) GENERATE SELECTED REPORTS < No Reports Selected >". To activate this option, the PMA operator must select at least one report within option (1) SELECT A PMA REPORT SET. Once it's activated, the "(-)" symbol will change to "(3)". Type in option number "3" to generate the selected report(s).

See

section on GENERATE SELECTED REPORTS on page 28 for detail instructions.

Note: The PMA operator can repeatedly perform step 3) and

4) if desired. If additional data are to be extracted, perform step 2) again.

4 SELECT A PMA REPORT SET

The available reports in the REPORT SELECTION MENU are numbered between (1) and (20). Unless the PMA operator knows

ahead of time, he/she should beforehand select and generate the CND/WCS track and engagement summary (number 3 and 7), and/or the SPY track summary (number 17) so he/she would have a record of all recorded targets and missiles (Note: For the same track, SPY's CTSL number is different from CND/WCS's). Having the latter informations would be helpful in answering other reports' queries.

4.1 SELECTING INDIVIDUAL REPORT

The designer recommends that first time PMA operator selects

and generates reports one at a time until he/she is familiarized with the whole PMA Rehost query process. Queries and descriptions for selecting individual CND/WCS, SPY, or C2P (not yet implemented) reports are outlined in paragraph 4.1.3 through 4.1.23. Select and type in an appropriate report number. An asterick will appear beside the chosen report. To deselect a report, type in the report's number again, and the corresponding asterick will disappear.

4.1.1 CND/WCS COMMON OPERATOR QUERIES

The following query menus will appear initially for each selected CND/WCS report:

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Begin

Type in "2" to enter START TIME. Default is
Of Tape (BOT).

(3) Report DURATION

Type in "3" to enter DURATION. Default is End
Of Tape (EOT).

(4) Report CLASSIFICATION

Type in the same number (4) to toggle between
existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND
QUERIES will appear.

PMA REPORT SELECTION SCREEN CND QUERIES

Enter applicable entries.

(1) Toggle TRACK DATA TYPE

Type in the same number (1) to toggle between
existing TRACK DATA TYPE values.

4.1.2 SPY COMMON OPERATOR QUERIES

The following query menus will appear initially for each
selected SPY report:

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Begin

Type in "2" to enter START TIME. Default is
Of Tape (BOT).

(3) Report DURATION

Type in "3" to enter DURATION. Default is End Of Tape (EOT).

(4) Report CLASSIFICATION

Type in the same number "4" to toggle between existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND QUERIES will appear.

PMA REPORT SELECTION SCREEN SPY QUERIES

< no entry required here >

4.1.3 CND/WCS: TIME SUMMARY

The following are queries and descriptions in selecting CND/WCS Time Summary:

Type in "1" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.4 CND/WCS: TNGS SNAPSHOT

The following are queries and descriptions in selecting CND/WCS Training Snapshot:

Type in "2" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.5 CND/WCS: TRACK SUMMARY

The following are queries and descriptions in selecting CND/WCS Track Summary:

Type in "3" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.6 CND/WCS: DOCTRINE SUMMARY

The followings are queries and descriptions in selecting CND/WCS Doctrine Summary:

Type in "4" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.7 CND/WCS: X-Y PLOT

The following are queries and descriptions in selecting CND X-Y Plot:

Type in "5" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the "PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS" menu will appear.

PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS

Type in the desired CTSL number(s). To clear a particular CTSL entry, type in that CTSL number again.

To clear all CTSL entries, type in "c".

Type in "d" and the MAIN MENU will appear.

4.1.8 CND/WCS: RNG-HT PLOT

The following are queries and descriptions in selecting CND Range-Height Plot:

Type in "6" then type in "d" to enter the CND/WCS
Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the "PMA REPORT SELECTION SCREEN
Retrieve CTSLs for: ALL PLOTS" menu will appear.

**PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL
PLOTS**

Type in the desired CTSL number(s). To clear a
particular CTSL entry, type in that CTSL number
again.

To clear all CTSL entries, type in "c".

Type in "d" and the MAIN MENU will appear.

4.1.9 CND/WCS: WCS ENGAGEMENT SUMMARY

The following are queries and descriptions in selecting
WCS Engagement Summary:

Type in "7" then type in "d" to enter the CND/WCS
Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.10 CND/WCS: SM FIRING REP

The following are queries and descriptions in selecting
CND/WCS Standard Missile Firing Report:

Type in "8" then type in "d" to enter the CND/WCS
Common Operator Queries.

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Type in "2" to enter START TIME.

(3) Report DURATION

Type in "3" to enter DURATION.

(4) Report CLASSIFICATION

Type in the same number "4" to toggle between existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND QUERIES will appear.

PMA REPORT SELECTION SCREEN CND QUERIES

Enter applicable entries.

(1) Toggle TRACK DATA TYPE

Type in the same number "1" to toggle between existing values.

(3) Target CTSL (REQUIRED)

abort
Type in "3" to enter CTSL. Must enter since choice is inactive.

(4) Missile CTSL (REQUIRED)

abort
Type in "4" to enter CTSL. Must enter since choice is inactive.

(5) Include Ship's Firing Message (optional)

Type in "y" to enter PMA REPORT SELECTION SCREEN Standard Missile Firing Report Queries

PMA REPORT SELECTION SCREEN Standard Missile Firing Report Queries <2 pages>

Enter applicable entries.

Type in "d" in the second page and the "PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS" menu will appear.

PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS

Type in the desired CTSL number(s). To clear a particular CTSL entry, type in that CTSL number again.

To clear all CTSL entries, type in "c".

Type in "d" and the MAIN MENU will appear.

4.1.11 CND/WCS: OPERATOR SUMMARY

The following are queries and descriptions in selecting CND/WCS Operator Summary:

Type in "9" then type in "d" to enter the CND/WCS Common Operator Queries.

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Type in "2" to enter START TIME.

(3) Report DURATION

Type in "3" to enter DURATION.

(4) Report CLASSIFICATION

Type in the same number (4) to toggle between existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND

QUERIES will appear.

PMA REPORT SELECTION SCREEN CND QUERIES

Enter applicable entries.

(1) Toggle TRACK DATA TYPE

Type in the same number (1) to toggle between existing TRACK DATA TYPE values.

(6) Process ALL SUBMODES Sorted by:

Type in the same number "6" to toggle between existing values.

Type in "d" and the MAIN MENU will appear.

4.1.12 CND/WCS: IFF SUMMARY

The following are queries and descriptions in selecting CND/WCS IFF Summary:

Type in "10" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.13 CND/WCS: LINK-11 SUMMARY

The following are queries and descriptions in selecting CND/WCS Link-11 Summary:

Type in "11" then type in "d" to enter the CND/WCS Common Operator Queries.

See paragraph 4.1.1 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.14 CND/WCS: CIWS ALIGN

The following are queries and descriptions in selecting CND/WCS CIWS Alignment:

Type in "12" then type in "d" to enter the CND/WCS
Common Operator Queries.

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Type in "2" to enter START TIME.

(3) Report DURATION

Type in "3" to enter DURATION.

(4) Report CLASSIFICATION

Type in the same number (4) to toggle between
existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND
QUERIES will appear.

PMA REPORT SELECTION SCREEN CND QUERIES

Enter applicable entries.

(1) Toggle TRACK DATA TYPE

Type in the same number (1) to toggle between
existing TRACK DATA TYPE values.

(2) Toggle CIWS MOUNT TO ALIGN

Type in the same number "2" to toggle between
existing values.

Type in "d" and the MAIN MENU will appear.

4.1.15 SPY: TIME SUMMARY

The following are queries and descriptions in selecting SPY Time Summary:

Type in "13" then type in "d" to enter the SPY Common Operator Queries.

See paragraph 4.1.2 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.16 SPY: X-Y PLOT

The following are queries and descriptions in selecting SPY X-Y Plot:

Type in "14" then type in "d" to enter the X-Y PLOT query.

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Type in "2" to enter START TIME.

(3) Report DURATION

Type in "3" to enter DURATION.

(4) Report CLASSIFICATION

Type in the same number "4" to toggle between existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND QUERIES will appear.

PMA REPORT SELECTION SCREEN SPY QUERIES

Enter applicable entries.

(1) Minimum Dwell Count to Plot SPY Tracks

Type in "1" to enter dwell count.

Type in "d" and the "PMA REPORT SELECTION SCREEN Retrieve CTSLS for: ALL PLOTS" menu will appear.

PMA REPORT SELECTION SCREEN Retrieve CTSLS for: ALL PLOTS

Type in the desired CTSLS number(s). To clear a particular CTSLS entry, type in that CTSLS number again.

To clear all CTSLS entries, type in "c".

Type in "d" and the MAIN MENU will appear.

4.1.17 SPY: RNG-HT PLOT

The following are queries and descriptions in selecting SPY Range-Height Plot:

Type in "15" then type in "d" to enter the RNG-HT PLOT query.

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Type in "2" to enter START TIME.

(3) Report DURATION

Type in "3" to enter DURATION.

(4) Report CLASSIFICATION

Type in the same number "4" to toggle between existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND QUERIES will appear.

PMA REPORT SELECTION SCREEN SPY QUERIES

Enter applicable entries.

(1) Minimum Dwell Count to Plot SPY Tracks

Type in "1" to enter dwell count.

Type in "d" and the "PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS" menu will appear.

PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS

Type in the desired CTSL number(s). To clear a particular CTSL entry, type in that CTSL number again.

To clear all CTSL entries, type in "c".

Type in "d" and the MAIN MENU will appear.

4.1.18 SPY: RNG-TIME SUMMARY (Typo, should be PLOT, not SUMMARY)

The following are queries and descriptions in selecting SPY Range-Time Plot:

Type in "16" then type in "d" to enter the RNG-TIME PLOT query.

PMA REPORT SELECTION SCREEN COMMON QUERIES

Enter applicable entries.

(1) Report TITLE

Type in "1" to enter TITLE.

(2) Report START TIME

Type in "2" to enter START TIME.

(3) Report DURATION

Type in "3" to enter DURATION.

(4) Report CLASSIFICATION

Type in the same number "4" to toggle between existing CLASSIFICATION values.

Type in "d" and the PMA REPORT SELECTION SCREEN CND QUERIES will appear.

PMA REPORT SELECTION SCREEN SPY QUERIES

Enter applicable entries.

(1) Minimum Dwell Count to Plot SPY Tracks

Type in "1" to enter dwell count.

Type in "d" and the "PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS" menu will appear.

PMA REPORT SELECTION SCREEN Retrieve CTSLs for: ALL PLOTS

Type in the desired CTSL number(s). To clear a particular CTSL entry, type in that CTSL number again.

To clear all CTSL entries, type in "c".

Type in "d" and the MAIN MENU will appear.

4.1.19 SPY: TRACK SUMMARY

The following are queries and descriptions in selecting SPY Track Summary:

Type in "17" then type in "d" to enter the SPY Common Operator Queries.

See paragraph 4.1.2 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.20 SPY: DOCTRINE SUMMARY

The following are queries and descriptions in selecting SPY Doctrine Summary:

Type in "18" then type in "d" to enter the SPY Common Operator Queries.

See paragraph 4.1.2 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.21 SPY: OPERATOR SUMMARY

The following are queries and descriptions in selecting SPY Operator Summary:

Type in "19" then type in "d" to enter the SPY Common Operator Queries.

See paragraph 4.1.2 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.22 SPY: BURNTHRU SUMMARY

The following are queries and descriptions in selecting SPY Burnthrough Summary:

Type in "20" then type in "d" to enter the SPY Common Operator Queries.

See paragraph 4.1.2 for further instructions.

Type in "d" and the MAIN MENU will appear.

4.1.23 C2P: <in-active>

The C2P reports are not available.

4.2 SELECTING MULTIPLE REPORTS

If the PMA operator chooses to select multiple reports, type in each report's number (one after another). The operator can also type in "a" for all reports or "c" for all
all
CND/WCS reports or "s" for all SPY reports. Make sure an asterick appears beside the number of each desired report.

After finish selecting, type in "d" to begin query processes for the selected reports. Notice in the query process for individual report (paragraph 4.1.3 through 4.1.23) that the PMA-REPORT-SELECTION-SCREEN-COMMON-QUERIES menu appears initially every time. This process is handled differently if a group of reports is selected. The initial common query menu will appear only once which would take care for all of the selected reports. Additional query menus will then appear to accommodate for special selected reports. End each queried menu by typing "d" to move to the next one. When the MAIN MENU appears, signaling the completion of the query process for all selected reports, the PMA operator would then be ready for the report generation process (see section on GENERATE SELECTED REPORTS on page 28 for detail instructions).

5 PROCESS DATA TO DISK

The PMA operator has the capability to extract data from optical disk. Make sure the value to the DATA STORAGE MEDIA query in the SYSTEM OPTION MENU is set to the correct medium (see section on CHANGE PMA SYSTEM OPTIONS on page 30 for detail instructions).

5.1 PROCESS DATA MENU 1

The PMA operator should have a set of optical disk(s) ready to be processed. Type in the number of disk(s) in the current set to be processed and the 2nd PROCESS DATA MENU will appear.

To abort process, type in "0" (zero) and a cancelling alert page will appear. Then, press the "Enter" key and the MAIN MENU will appear.

Note: This is the recommended place for the PMA operator to abort the Data Processing module, when necessary.

5.2 PROCESS DATA MENU 2

This page inform the operator that the ATS area will be purged. That is any existing ATS data file(s) previously created will be deleted to make disk storage space for a new set of ATS data file(s). To save the previous ATS data file(s), the operator should rename and archive them accordingly (see section 2 PRELIMINARY PROCEDURES AND NOTES). To abort and go back to MAIN MENU, type in 'a'. Type in 'c' to continue, and the 3rd PROCESS DATA MENU will appear.

5.3 PROCESS DATA MENU 3

This page alert the operator to mount the respective optical disk of the current set. Mount the disk and press the "Enter" key and the 4th PROCESS DATA MENU will appear.

5.4 PROCESS DATA MENU 4

This menu will show the listing of recorded partition(s) for the mounted optical disk.

The available partition(s) is numbered. Unless the PMA operator knows ahead of time the element description of each partition, he/she should beforehand select (see 5.3.1 or 5.3.2 in selecting partition(s)) and view (type in "v")/ review (type in "rv") the desired partition(s)' description.

Keeping a record of the element description of the desired partition(s) would be helpful in answering queries of subsequent process data menu(s).

Note that the page for the initial listing will be marked as "Page 1 of 1". If the selection choice "(N)ext Page" and/or "(P)revious Page" are shown, multiple listings are available. Type in appropriate command "N" or "P" to move between pages.

Note: The option [(D)one Selecting] has two meanings:

1) The PMA operator has already selected the desired partition(s) from the present optical disk and is READY to perform data extraction.

2) The PMA operator does not wish to select any partition from the present optical disk and wishes to move on. Be sure to type in "c" to clear any already selected partition(s) before typing in

"d".

5.4.1 SELECTING INDIVIDUAL PARTITION

Select and type in an appropriate partition number. An asterick will appear beside the chosen partition. To deselect a partition, type in the partition's number again or "c", and the corresponding asterick will disappear.

When ready to extract data from the selected partition, type in "d", and the 5th PROCESS DATA MENU will appear.

5.4.2 SELECTING MULTIPLE PARTITIONS

If the PMA operator chooses to selecte multiple partitions, type in each partition's number (one after another). Make sure an asterick appears beside the number of each desired partition. To deselect a partition, type in the partition's number again, and the corresponding asterick will disappear.

To deselect all chosen partitions, type in "c".

When ready to extract data from the selected partitions, type in "d", and the 5th PROCESS DATA MENU will appear.

5.5 PROCESS DATA MENU 5

Type in the appropriate element code (0 for CND, 1 for WCS, or 2 for SPY) for the selected partition. The program will then perform DXMOV to the partition. This process will be repeated if multiple partitions were selected.

For each partition extracted, a new ATS data file will be created. For example, extracting the first two CND partitions will internally yield corresponding ATS files, CND1 and CND2. The number at the end of the element's name

will continue to be incremented (by one) until all optical disks from the current set are processed.

Caution: Processing data from a new set of optical disks will overwrite the corresponding element ATS file(s) generated from the previous set of optical disk(s).

Note: To conserve disk space, all element ATS files will be deleted when the PMA operator exit the PMA Rehost Load Menu.

After the data process has been completed for the optical disk, the 3rd through 5th PROCESS DATA MENUS will appear again until all optical disk(s) from the current set are processed.

Once all ATS data files have been successfully created for an optical disk, the PMA operator does not have to mount that optical disk again provided that the PMA operator does not overwrite the current set of ATS file(s) or exit the

PMA

Rehost Load Menu. The ATS data file(s) can be used to generate report(s) for the entire session.

Once all optical disk(s) from the current set have been processed, the 6th PROCESS DATA MENU will appear.

5.6 PROCESS DATA MENU 6

This page signals the completion of PMA Data Process module.

Press "Enter" and the PMA MAIN MENU appears. The PMA operator would then be ready to select desired report(s) (see section on SELECT A PMA REPORT SET on page 11 for detail instructions).

6 GENERATE SELECTED REPORTS

After completing all the required queries in the report selection process, the PMA operator can begin generating output for the selected report(s). One thing to note here

is

the output format queried for option (2) PRINT TO (Screen/Printer/Both). The designer recommends that the PMA operator

set this field to "PRINTER ONLY" whenever plot (i.e. all

elements' plots and the CND/WCS's SM Firing Report) is to be generated since the capability of displaying Postscript formatted plot to the screen has not been incorporated into the PMA Rehost program. Use option 7 in PMA Rehost Load Menu as the alternate route.

Type in "c" to start generating report(s). To abort the generating process, type in "a" and the MAIN MENU will appear.

6.1 REPORT GENERATION MENU

The REPORT GENERATION MENU contains the following queries:

(1) NUMBER OF COPIES TO PRODUCE

Type in "1" to enter desired number of copies to be produced.

(2) PRINT TO (Screen/Printer/Both)

Type in the same number "2" to toggle between existing PRINT TO values.

(3) Plot Mode (Color vs B&W) <appears for plot only>

Type in the same number "3" to toggle between existing Plot Mode values.

(4) Display Grid Lines <appears for plot only>

Type in the same number "4" to toggle the displaying of tick mark grid lines.

(5) Display Symbology and Track Numbers <appears for plot only>

Type in the same number "5" to toggle the displaying of track symbols and numbers.

(6) Display With Specified Plot Range Specified Plot Range <appears for plot only>

Type in the same number "6" to toggle the enabling of plot range zooming. If "TRUE" the PMA operator will be

asked to type in the desired plot range.

7 CHANGE PMA SYSTEM OPTIONS

The PMA operator may change the system setting(s) or use the program's default settings.

Type in "s" to save new setting(s) as default. Type in "r"

to obtain the program's default settings. When finished, type in "d" and the MAIN MENU will appear.

7.1 SYSTEM OPTION MENU

The SYSTEM OPTIONS MENU contains the following queries:

(1) HULL NUMBER

Type in "1" to enter ship's HULL NUMBER.

(2) SHIP NAME

Type in "2" to enter ship's NAME.

(3) CLASSIFICATION

Type in the same number "3" to toggle between existing values of CLASSIFICATION. Top and bottom classification markers will not appear in unclassified tabular report.

(4) DATA STORAGE MEDIA

The value of DATA STORAGE MEDIA is fixed as "OPTICAL MEDIA"

(5) TABULAR PRINTER

Type in "5" to enter driver name for the connected printer when text format is used (for text reports). Recommended for the setting to be "<PRINT_TXT>".

(6) GRAPHICS PRINTER

Type in "6" to enter driver name for the connected printer when postscript format is used (for plots). Recommended for the setting to be "<PRINT_PS>".

8 MESSAGE DIRECTORY

This section provides additional information interpreting alerts/queries and error messages that may appear on screen during the PMA operator's session.

8.1 IN MAIN MENU

**** NO REPORTS CURRENTLY SELECTED - ENTERING REPORT
SELECTION MENU ****

The operator must select option 1 SELECT A PMA REPORT SET and select report(s) in order to select option 3 GENERATE SELECTED REPORTS. The program will automatically bring up the Report Selection Menu for report selection.

Really Quit PMA !!? ... type "YES" to continue

The operator must type in "yes" to exit PMA Rehost program completely.

8.2 IN SELECTING A PMA REPORT SET

ERROR>> INVALID TIME ENTRY! Use format => HH:MM:SS

The operator must enter the time in hours:minutes:seconds format.

Enter TARGET CTSL (8nnnn)

The CTSL must be entered here. For example, the operator may type in CTSL "12" and the program would automatically generates and shows the true CTSL of "80012".

Enter Minimum Dwell Count for SPY Tracks (1 - 99)

Enter the respective SPY dwell count from 1-99. The default is 10.

8.3 IN PROCESSING DATA TO DISK

Enter the number of disk(s) to be processed:

Enter the total number of optical disk the operator wish to extract data from. To cancel the Process Data module, enter a 0.

Mount Disk #n then Hit Enter to Continue

Mount the respective optical disk into the OMM drive and then press "Enter" in order to display listing of partition(s) recorded within that disk.

```
>>  Cancelling Data Extraction Process  <<
>>                No disk_file created      <<
```

Cancelling the Data Processing module is confirmed. No new element ATS file was created.

```
>>  No partition selected from all disk(s) <<
>>                No disk_file created      <<
```

The operator did not select partition from the respective disk. Hence, the program did not generate any element ATS file needed to generate the PMA report.

Invalid Element choice. Please Re-Enter.

Must enter a correct element code for the respective partition (0 for CND, 1 for WCS, or 2 for SPY).

[* PMA *] Overwriting existing \$ATSPTH/xxxx.ats ...

The program overwrites any corresponding element ATS file(s), if existed.

[* PMA *] DXMOVing partition xxxxxxxxxxxx...

Program: DXMov - Version 5.7
Input Name: /dev/...:xxxxxxxxxx (OPTICAL)
Output Name: /df/.../ats/xxxx.ats (ATS)
Time Frame: BOT,EOT
EPs: ALL
DRIST: xxxxxxxxx - xxx(6.1R)
Date: xx/xx/xx

The program is converting the data within each selected partition to respective element ATS format. The operator must wait for each process to complete. The entire

process

will vary depending on the number of partition selected and the size (in bytes) of each partition.

>> Data Processing completed <<

The Data Processing module is completed with respective element ATS files generated.

8.4 IN GENERATING SELECTED REPORTS

Invalid Range Entered. Please Re_Enter.

The range must be a number and is limited to 300 data miles.

8.5 IN CHANGING PMA SYSTEM OPTIONS

Toggling to TAPE (RD-358) deactivated. Value is fixed as OPTICAL MEDIA.

Data extraction from RD-358 tape drive is no longer available since BL 6 and UP PMA Rehost uses OMM drive(s). There is no need to change this value.